

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method for performing a high-throughput analysis, in which samples are analyzed in a continuous manner and in which biochips arranged on a carrier and having with a multiplicity plurality of measurement spots are used, comprising:

applying a ~~measurement~~sample liquid to the spots ~~of the~~ of the biochip situated on ~~at the~~ carrier, which form a spot array; and

analyzing the samples ~~of measurement~~ liquid, wherein flushing or reagent liquids are applied from above the carrier onto the spots of the spot arrays located on the carrier, and electrical measurements are carried out from below the carrier with the aid of contact elements, and

wherein the applying and analyzing are effected simultaneously at different spots of the spot arrays or the biochips, and

wherein the carrier is moved to permit a continuous measurement at a speed determined by a movement cycle of the carrier.

2. (Currently Amended) The method as claimed in claim 1, wherein at least one of temperature regulation and air conditioning of the ~~measurement~~sample liquid ~~samples~~ is interposed between the applying and analyzing, and wherein at least one of the spot arrays is enclosed by a hollow body to create a spatial separation from other spot arrays, and the hollow

body is placed onto the biochip so that the hollow body encloses with a circumferential wall at least one of the spot arrays in order to form a seal.

3. (Currently Amended) The method as claimed in claim 2, wherein the air conditioning, if performed, serves as residence time of the ~~measurement-sample~~ liquid on the biochip.

4. (Currently Amended) The method as claimed in claim 1, wherein a temperature regulation is effected following the applying of the sample application liquid.

5-6. (Cancelled).

7. (Currently Amended) The method as claimed in claim ~~5~~2, wherein the air conditioning of the sample liquid includes air conditioning of the gas phase present above the spot array by the hollow body ~~serves for air conditioning of the gas phase present above a spot array.~~

8. (Cancelled).

9. (Currently Amended) The method as claimed in claim ~~5~~1, wherein the carrier is one made of a flat material.

10. (Currently Amended) The method as claimed in claim 9, wherein a biochip arrangement with a ~~tape type~~ band-shaped carrier made of flexible material is used.

11. (Currently Amended) The method as claimed in claim 10, wherein the ~~tape type~~ band-

shaped carrier is unwound from a roll and transported through an analysis unit.

12. (Previously Presented) The method as claimed in claim 1, wherein the carrier is one populated with electrically readable biochips.

13. (Previously Presented) The method as claimed in claim 1, wherein the carrier is one on which analysis-specific data are present.

14. (Currently Amended) The method as claimed in claim 1, wherein, for temperature control of athe spot array or a reaction that takes place there, heat is supplied or dissipated from the rear side region of the carrier opposite to the array.

15. (Previously Presented) The method as claimed in claim 14, wherein, for the purpose of supplying heat or dissipating heat, the rear side region is brought into areal contact with a coolable or heatable body.

16. (Withdrawn) A device for analyzing samples in a continuous manner and in which biochips with a multiplicity of measurement spots are used, comprising:

a carrier, wherein the biochips are arrangeable at a mutual distance on the carrier, the carrier being movable in a determinable cycle;

means for supplying a measurement liquid to the spots or biochips on the carrier; and

means for analyzing the samples of measurement liquid, wherein the applying and analyzing are effected simultaneously at different spots or biochips.

17. (Withdrawn) The device as claimed in claim 16, wherein the spot arrays are arranged in a depression.
18. (Withdrawn) The device as claimed in claim 16, wherein data for analysis control and data concerning the type and position of the spot arrays are present on the carrier.
19. (Withdrawn) The device as claimed in claim 18, wherein the data are stored in at least one memory chip.
20. (Withdrawn) The device as claimed in claim 16, wherein the carrier is essentially formed from a flat material.
21. (Withdrawn) The device as claimed in claim 20, wherein the carrier is formed as a flexible tape.
22. (Withdrawn) The device as claimed in claim 16, wherein the biochips are electrically readable biochips, each including a spot array and electrical contact areas.
23. (Withdrawn) The device as claimed in claim 22, wherein the spot arrays and the contact areas are arranged on different sides of the carrier.
24. (Withdrawn) The device as claimed in claim 22, wherein the biochips are embedded in an electrically insulating encapsulating composition, a cutout that frees the spot array and forms a depression being present in the encapsulating composition.

25. (Withdrawn) The device as claimed in claim 24, wherein a top side of the encapsulating composition that encompasses the cutout is formed as a planar area.
26. (Withdrawn) The device as claimed in claim 18, wherein the carrier includes a perforation extending in its longitudinal direction.
27. (Withdrawn) The device as claimed in claim 26, wherein the carrier includes a perforation on both sides and a width of 36 mm.
28. (Cancelled).
29. (Withdrawn) The device as claimed in claim 17, wherein data for analysis control and data concerning the type and position of the spot arrays are present on the carrier.
30. (Withdrawn) The device as claimed in claim 29, wherein the data are stored in at least one memory chip.
31. (Withdrawn) The device as claimed in claim 23, wherein the biochips are embedded in an electrically insulating encapsulating composition, a cutout that frees the spot array and forms a depression being present in the encapsulating composition.